

Product datasheet for RN201139

Alg14 (NM_001014176) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Alg14 (NM_001014176) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Alg14
 Synonyms: RGD1312003
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN201139 representing NM_001014176
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGTGTGCGTTCTGACTCTAGCTGCCTCGGCAGGAGGGCTAGCGGTCTTGCTAATAGTGGACTATGGG
 CCGTGCTTCGGTCCCATCCTGTCACTCCCCGACAGTCTCTCGGACTCTTGATAGTAGCTGGATCCGGTGG
 ACACACTGCTGAGATCCTGAGGCTGGTTGGAAGCTTGCCGGCGCCTACTCCCCAAGGCATTACGTCATT
 GCTGAGTCTGATGAAATGAGTGCTAAGAAAATCCATTCTCTTGAACCTCGCTCGAGCCAGAACGACTCCA
 CTACTGAGCACACCGAGTACTACCTTACC GAATTCGAGAAGCCGGGAGGTTCCGGCAGTCTGGCTCTC
 CTCCGTGTTCACTACCTGTACTCCATATGGTTTTCTTCCCCTGGTTCACCGAATAAAGCCAGACTTG
 GTGCTGTGTAATGGACCAGGAACATGTGTTCTATCTGTGTGTCTGCCCTGCTCCTGGGATCCTCGGGA
 TAAAGAAAGTGATCATTGTCTACGTTGAGAGCATCTGCCGAGTGGAGACTTTGTCCTGTCTGGGAAGAT
 TCTGTGGCACCTCTGATTACTTCAATTGTTCAAGTGGCCTACTCTTAAGGAGAAGTACCCCAAGTCTGTG
 TACCTGGGGCGAATTGTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001014176
 Insert Size: 651 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001014176.2</u> , <u>NP_001014198.1</u>
RefSeq Size:	1527 bp
RefSeq ORF:	651 bp
Locus ID:	362031
UniProt ID:	<u>Q6AY85</u>
Cytogenetics:	2q41
Gene Summary:	Involved in protein N-glycosylation. Essential for the second step of the dolichol-linked oligosaccharide pathway. Anchors the catalytic subunit ALG13 to the ER (By similarity). [UniProtKB/Swiss-Prot Function]